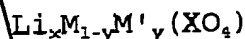


IN THE CLAIMS:

Kindly cancel Claims 40 and 63, without prejudice.

Kindly amend Claims 62, 64, and 65, as follows:

62. (Amended) A cathode material for a rechargeable electrochemical cell, said cell also comprising [and] an anode and an electrolyte, the cathode material comprising a compound of the ordered or modified olivine structure having the formula:



wherein:

M is a cation [the] of a metal selected from the group consisting of Fe, Mn, Co, Ti, Ni or mixtures thereof;

M' is a dopant cation [of a metal] selected from the group consisting of [Mg, Ni, Co, Zn, Cu, Ti, Al, Cr, Fe, Mn, Ga, V, Ge, Sn, Nb, Ta] Mg²⁺, Ni²⁺, Co²⁺, Zn²⁺, Cu²⁺, Ti²⁺, Al³⁺, Ti³⁺, Cr³⁺, Fe³⁺, Mn³⁺, Ga³⁺, Zn³⁺, V³⁺, Ti⁴⁺, Ge⁴⁺, Sn⁴⁺, V⁴⁺, V⁵⁺, Nb⁵⁺, Ta⁵⁺ and mixtures thereof;

X comprises Si, S, P, V, or mixtures thereof;

$0 \leq x \leq 1$; and

$0 \leq y \leq 0.2$

with the characteristic that x and y are selected to ensure